

FIGURE 1

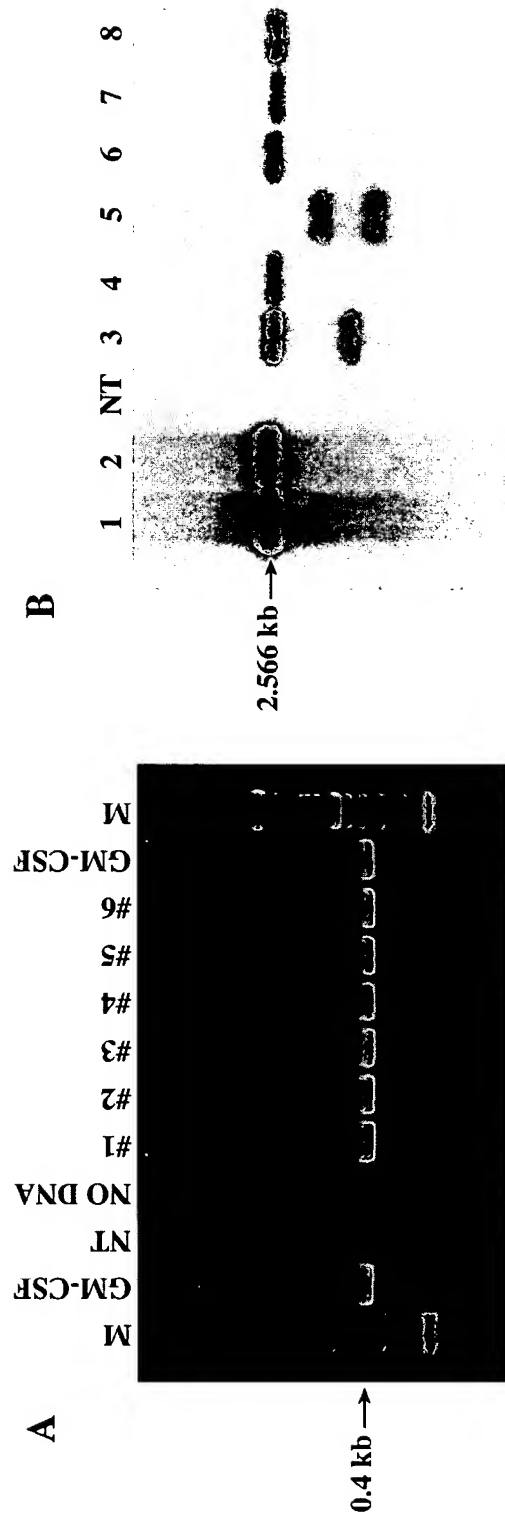


FIGURE 2

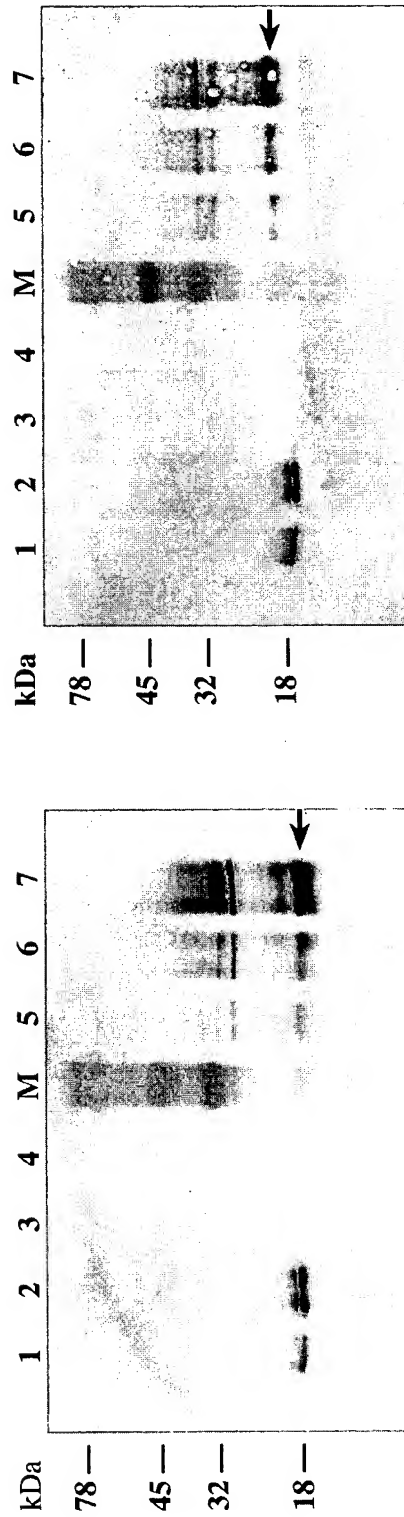


FIGURE 3

Biological activity assay of GM-CSF from Transgenic Rice (Plant#1) on human TF-1 cells

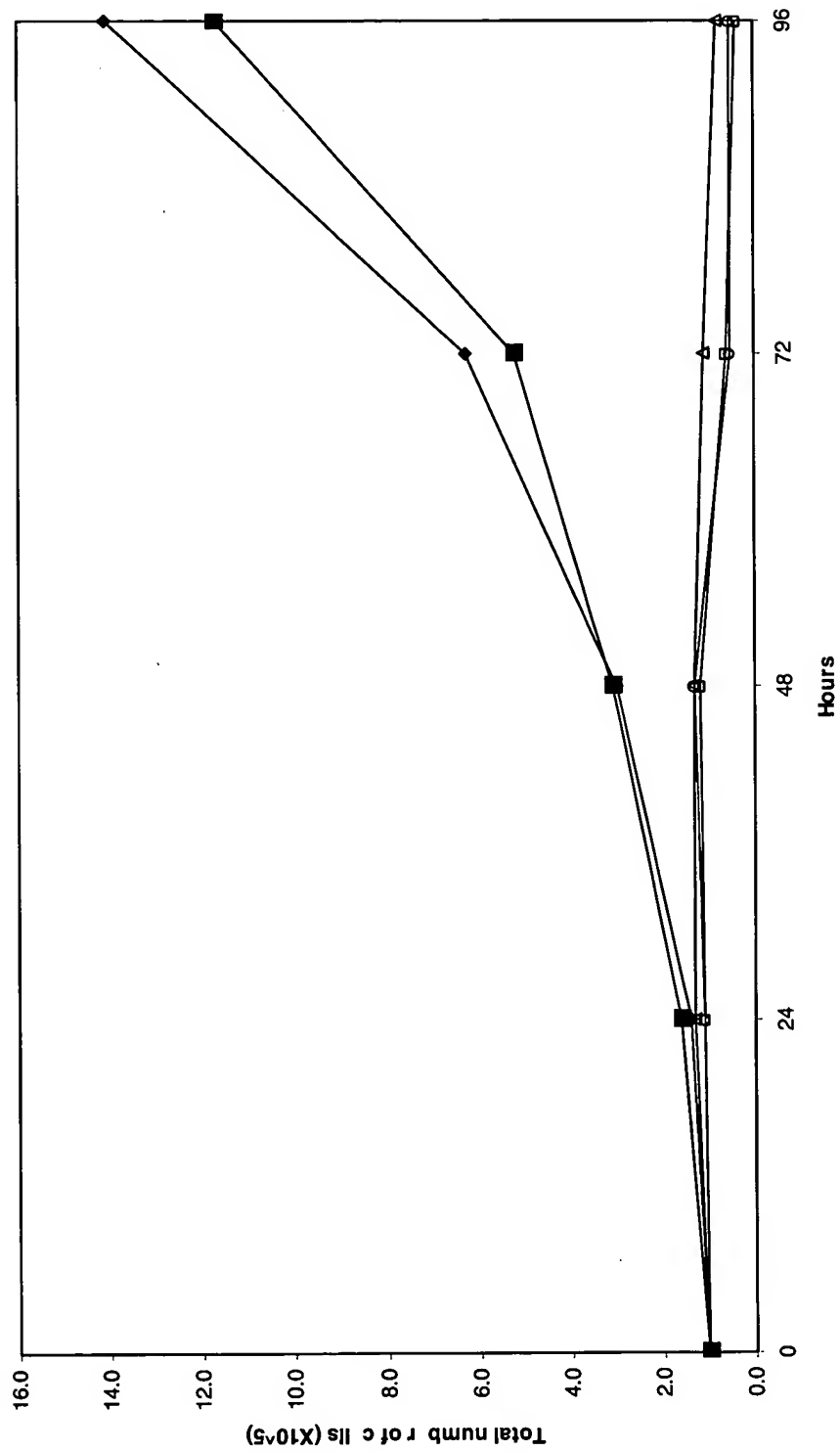


FIGURE 4

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GMCSF/Ori .....ATGCACCACCACCACCACCCTCCTCCGGCATCGAGGGCCGCATGGCACCC 60
          oooooooooo|||||||||||||||||||||||||||||||||||||||o|o
GMCSF/Opti CGGCCCGGGATGCACCACCACCACCACCCTCCTCCGGCATCGAGGGCCGCATGGCGCCA

GMCSF/Ori GCCCGGTACCCAGCCCCAGCAGCAGCCCTGGGAGCATGTGAATGCCATCCAGGAGGCC 120
          ||o||ooooo||o|||||ooo||o|||||o|||||||o|||||o|o|||||||
GMCSF/Opti GCGCGCAGCCCAGCCCGTCCACCAGCCGTGGGAGCACGTGAACGCGATCCAGGAGGCC

GMCSF/Ori CGGCGTCTCCTGAACCTGAGTAGAGACACTGCTGCTGAGATGAATGAAACAGTAGAAGTG 180
          ||oo|o|||||o|||||ooooo|o|||||o|o|o|||||||o|o|o|o|o|||
GMCSF/Opti CGCAGGCTCCTCAACCTCTCCCGCGACACCGCCGCGAGATGAACGAGACCGTGGAGGTG

GMCSF/Ori ATATCAGAAATGTTTGACCTCCAGGAGCCGACTTGCCTACAGACCCGCCTGGAGCTGTAC 240
          ||o||o||o|||||o||o|||||||o|||||o|||||||o|||||||
GMCSF/Opti ATCTCCGAGATGTTTCGATCTCCAGGAGCCGACCTGCCTCAGACCCGCCTCGAGCTGTAC

GMCSF/Ori AAGCAGGGCCTGCGGGGCAGCCTCACCAAGCTCAAGGGCCCCTTGACCATGATGGCCAGC 300
          |||||||||o|o|o|||||||o|||||||o|||||||oo|o|o|||||||ooo|
GMCSF/Opti AAGCAGGGCCTCCGCGGCAGCCTCACCAAGCTCAAGGGCCCCTCACCATGATGGCGTCC

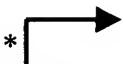
GMCSF/Ori CACTACAAGCAGCACTGCCCTCCAACCCCGAACTTCCTGTGCAACCCAGATTATCACC 360
          |||||||||o|o|o|||||||o|o|||||o|o|||||||o|o|||
GMCSF/Opti CACTACAAGCAGCACTGCCACCGACCCCGGAGACCTCCTGCGCCACCCAGATCATCACC

GMCSF/Ori TTTGAAAGTTTCAAAGAGAACCTGAAGGACTTCCTGCTTGTCATCCCCTTTGACTGCTGG 420
          ||o||o||o|||||o|||||||o|||||||o|o|o|o|o|o|o|o|o|o|o|o|
GMCSF/Opti TTCGAGAGCTTCAAAGGAGAACCTCAAGGACTTCCTCCTCGTGATCCCGTTGACTGCTGG

GMCSF/Ori GAGCCAGTCCAGGAGTGA..... 458
          |||||o||o|||||||oooooooooooooooooooooooooooo
GMCSF/Opti GAGCCGGTGCAGGAGTGAGCTAGCGTCGACGCATGCCG

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FIGURE 5

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GMCSF/Ori	MHHHHHHSSGIEGRMAPARSPSPSTQPWEHVNAIQEARRLLNLSRDTAAEMNETVEV
GMCSF/Opti	MHHHHHHSSGIEGRMAPARSPSPSTQPWEHVNAIQEARRLLNLSRDTAAEMNETVEV
GMCSF/Ori	ISEMFDLQEPTCLQTRLELYKQGLRGSLTKLKGPLTMMASHYKQHCPTPETSCATQIIT
GMCSF/Opti	ISEMFDLQEPTCLQTRLELYKQGLRGSLTKLKGPLTMMASHYKQHCPTPETSCATQIIT
GMCSF/Ori	FESFKENLKDPLLVIPFDCWEPVQE
GMCSF/Opti	FESFKENLKDPLLVIPFDCWEPVQE

FIGURE 6

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